

# Kim M Plummer

## List of Publications by Year in descending order

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52  
papers

3,601  
citations

212478

28  
h-index

198040

52  
g-index

56  
all docs

56  
docs citations

56  
times ranked

4640  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic Analysis of the Necrotrophic Fungal Pathogens <i>Sclerotinia sclerotiorum</i> and <i>Botrytis cinerea</i> . <i>PLoS Genetics</i> , 2011, 7, e1002230.	1.5	902
2	RNA interference in the light brown apple moth, <i>Epiphyas postvittana</i> (Walker) induced by double-stranded RNA feeding. <i>Insect Molecular Biology</i> , 2006, 15, 383-391.	1.0	305
3	Revision of the Nomenclature of the Differential Host-Pathogen Interactions of <i>Venturia inaequalis</i> and <i>Malus</i> . <i>Annual Review of Phytopathology</i> , 2011, 49, 391-413.	3.5	176
4	Approaches to functional genomics in filamentous fungi. <i>Cell Research</i> , 2006, 16, 31-44.	5.7	159
5	Analysis of the DECREASED APICAL DOMINANCE Genes of <i>Petunia</i> in the Control of Axillary Branching. <i>Plant Physiology</i> , 2007, 143, 697-706.	2.3	149
6	<i>Venturia inaequalis</i> : the causal agent of apple scab. <i>Molecular Plant Pathology</i> , 2011, 12, 105-122.	2.0	142
7	Simultaneous silencing of multiple genes in the apple scab fungus, <i>Venturia inaequalis</i> , by expression of RNA with chimeric inverted repeats. <i>Fungal Genetics and Biology</i> , 2004, 41, 963-971.	0.9	115
8	The Carboxylesterase Gene Family from <i>Arabidopsis thaliana</i> . <i>Journal of Molecular Evolution</i> , 2003, 57, 487-500.	0.8	104
9	Blackleg disease on oilseed Brassica in Australia: a review. <i>Australian Journal of Experimental Agriculture</i> , 1995, 35, 665.	1.0	97
10	The Vh8 locus of a new gene-for-gene interaction between <i>Venturia inaequalis</i> and the wild apple <i>Malus sieversii</i> is closely linked to the Vh2 locus in <i>Malus pumila</i> R12740-7A. <i>New Phytologist</i> , 2005, 166, 1035-1049.	3.5	92
11	Major chromosomal length polymorphisms are evident after meiosis in the phytopathogenic fungus <i>Leptosphaeria maculans</i> . <i>Current Genetics</i> , 1993, 24, 107-113.	0.8	90
12	The Vh2 and Vh4 scab resistance genes in two differential hosts derived from Russian apple R12740-7A map to the same linkage group of apple. <i>Molecular Breeding</i> , 2005, 15, 103-116.	1.0	85
13	Morphological and molecular analysis of <i>Colletotrichum acutatum</i> sensu lato. <i>Mycological Research</i> , 1999, 103, 275-285.	2.5	81
14	Comparative Genomics of 12 Strains of <i>Erwinia amylovora</i> Identifies a Pan-Genome with a Large Conserved Core. <i>PLoS ONE</i> , 2013, 8, e55644.	1.1	80
15	Comparative analysis of the predicted secretomes of Rosaceae scab pathogens <i>Venturia inaequalis</i> and <i>V. pirina</i> reveals expanded effector families and putative determinants of host range. <i>BMC Genomics</i> , 2017, 18, 339.	1.2	68
16	<i>Agrobacterium</i> and PEG-mediated transformation of the phytopathogen <i>Venturia inaequalis</i> . <i>Mycological Research</i> , 2003, 107, 803-810.	2.5	65
17	High-Resolution Crystal Structure of Plant Carboxylesterase AeCXE1, from <i>Actinidia eriantha</i> , and Its Complex with a High-Affinity Inhibitor Paraoxon., <i>Biochemistry</i> , 2007, 46, 1851-1859.	1.2	58
18	Non-aggressive Strains of the Blackleg Fungus, <i>Leptosphaeria maculans</i> , Are Present in Australia and Can Be Distinguished From Aggressive Strains by Molecular Analysis. <i>Australian Journal of Botany</i> , 1994, 42, 1.	0.3	53

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19	Inhibition of cereal rust fungi by both class I and II defensins derived from the flowers of <i>Nicotiana glauca</i> . <i>Molecular Plant Pathology</i> , 2014, 15, 67-79.	2.0	48
20	Inheritance of chromosomal length polymorphisms in the ascomycete <i>Leptosphaeria maculans</i> . <i>Molecular Genetics and Genomics</i> , 1995, 247, 416-422.	2.4	47
21	Effect of Disruption of a Cutinase Gene ( <i>cutA</i> ) on Virulence and Tissue Specificity of <i>Fusarium solani</i> f. sp. <i>cucurbitae</i> race 2 Toward <i>Cucurbita maxima</i> and <i>C. moschata</i> . <i>Molecular Plant-Microbe Interactions</i> , 1997, 10, 355-368.	1.4	44
22	Genome Sequence of an <i>Erwinia amylovora</i> Strain with Pathogenicity Restricted to <i>Rubus</i> Plants. <i>Journal of Bacteriology</i> , 2011, 193, 785-786.	1.0	40
23	GcSTUA, an APSES Transcription Factor, Is Required for Generation of Appressorial Turgor Pressure and Full Pathogenicity of <i>Glomerella cingulata</i> . <i>Molecular Plant-Microbe Interactions</i> , 2007, 20, 1102-1111.	1.4	37
24	Direct comparison of <i>Arabidopsis</i> gene expression reveals different responses to melatonin versus auxin. <i>BMC Plant Biology</i> , 2019, 19, 567.	1.6	37
25	Two novel <i>Venturia inaequalis</i> genes induced upon morphogenetic differentiation during infection and in vitro growth on cellophane. <i>Fungal Genetics and Biology</i> , 2008, 45, 1329-1339.	0.9	35
26	Candidate effector gene identification in the ascomycete fungal phytopathogen <i>Venturia inaequalis</i> by expressed sequence tag analysis. <i>Molecular Plant Pathology</i> , 2009, 10, 431-448.	2.0	33
27	Characterisation of a protein from <i>Venturia inaequalis</i> that induces necrosis in <i>Malus</i> carrying the <i>Vm</i> resistance gene. <i>Physiological and Molecular Plant Pathology</i> , 2003, 62, 193-202.	1.3	32
28	The heat shock response is involved in thermotolerance in suspension-cultured apple fruit cells. <i>Journal of Plant Physiology</i> , 2002, 159, 599-606.	1.6	31
29	Molecular Identification of a Sexual Interloper: The Pear Pathogen, <i>Venturia pirina</i> , has Sex on Apple. <i>Phytopathology</i> , 2001, 91, 633-641.	1.1	30
30	Biochemical characterisation of MdCXE1, a carboxylesterase from apple that is expressed during fruit ripening. <i>Phytochemistry</i> , 2011, 72, 564-571.	1.4	28
31	Analysis of intra-host genetic diversity of <i>Prunus necrotic ringspot virus</i> (PNRSV) using amplicon next generation sequencing. <i>PLoS ONE</i> , 2017, 12, e0179284.	1.1	28
32	Ability of a <i>Leptosphaeria maculans</i> isolate to form stem cankers on Indian mustard ( <i>Brassica juncea</i> ) segregates as a single locus. <i>European Journal of Plant Pathology</i> , 1996, 102, 349-352.	0.8	26
33	The specificity of PCR-based protocols for detection of <i>Erwinia amylovora</i> . <i>Australasian Plant Pathology</i> , 2011, 40, 87-97.	0.5	25
34	A Large Family of AvrLm6-like Genes in the Apple and Pear Scab Pathogens, <i>Venturia inaequalis</i> and <i>Venturia pirina</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 980.	1.7	25
35	Generic Amplicon Deep Sequencing to Determine Ilarvirus Species Diversity in Australian <i>Prunus</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 1219.	1.5	25
36	Proteogenomic Analysis of the <i>Venturia pirina</i> (Pear Scab Fungus) Secretome Reveals Potential Effectors. <i>Journal of Proteome Research</i> , 2014, 13, 3635-3644.	1.8	23

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37	Bacterial and Fungal Communities Are Differentially Modified by Melatonin in Agricultural Soils Under Abiotic Stress. <i>Frontiers in Microbiology</i> , 2019, 10, 2616.	1.5	23
38	The effect of elevated CO <sub>2</sub> and virus infection on the primary metabolism of wheat. <i>Functional Plant Biology</i> , 2016, 43, 892.	1.1	22
39	Evidence for Sexual Reproduction: Identification, Frequency, and Spatial Distribution of <i>Venturia effusa</i> (Pecan Scab) Mating Type Idiomorphs. <i>Phytopathology</i> , 2018, 108, 837-846.	1.1	19
40	Analysis of a Secreted Aspartic Peptidase Disruption Mutant of <i>Glomerella cingulata</i> . <i>European Journal of Plant Pathology</i> , 2004, 110, 265-274.	0.8	18
41	Comparative analysis of the Hrp pathogenicity island of <i>Rubus</i> - and <i>Spiraeoideae</i> -infecting <i>Erwinia amylovora</i> strains identifies the IT region as a remnant of an integrative conjugative element. <i>Gene</i> , 2012, 504, 6-12.	1.0	16
42	Whole Genome Sequence Resource of the Asian Pear Scab Pathogen <i>Venturia nashicola</i> . <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 1463-1467.	1.4	13
43	First Report of <i>Apricot vein clearing-associated virus</i> (AVCaV) in Australia and in a New Host, <i>Prunus cerasifera</i> . <i>Plant Disease</i> , 2017, 101, 1337-1337.	0.7	11
44	Plant Defensins NaD1 and NaD2 Induce Different Stress Response Pathways in Fungi. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1473.	1.8	8
45	The Incidence and Genetic Diversity of Apple Mosaic Virus (ApMV) and Prune Dwarf Virus (PDV) in <i>Prunus</i> Species in Australia. <i>Viruses</i> , 2018, 10, 136.	1.5	8
46	CRISPR-Cas9 gene editing and rapid detection of gene-edited mutants using high-resolution melting in the apple scab fungus, <i>Venturia inaequalis</i> . <i>Fungal Biology</i> , 2022, 126, 35-46.	1.1	8
47	Elevated CO <sub>2</sub> and virus infection impacts wheat and aphid metabolism. <i>Metabolomics</i> , 2018, 14, 133.	1.4	7
48	Antimicrobial activity of essential oils and pure oil compounds against soilborne pathogens of vegetables. <i>Australasian Plant Pathology</i> , 2013, 42, 385-392.	0.5	6
49	First Report of <i>Cherry virus A</i> (CVA) in Australia and the First Report of CVA Infecting <i>Prunus cerasifera</i> . <i>Plant Disease</i> , 2016, 100, 1511-1511.	0.7	6
50	Editorial: How Can Secretomics Help Unravel the Secrets of Plant-Microbe Interactions?. <i>Frontiers in Plant Science</i> , 2016, 7, 1777.	1.7	4
51	High doses of melatonin confer abiotic stress tolerance to phytopathogenic fungi grown in vitro. <i>Melatonin Research</i> , 2020, 3, 187-193.	0.7	4
52	Quantitative Proteomic Analysis of the Slime and Ventral Mantle Glands of the Striped Pyjama Squid ( <i>Sepioloidea lineolata</i> ). <i>Journal of Proteome Research</i> , 2020, 19, 1491-1501.	1.8	2